

	Type	Hits	Search Text
1	BRS	0	liliaceous same genus
2	BRS	12	liliaceous
3	BRS	75	liliac\$5 same maize
4	BRS	89	liliac\$5 same rice
5	BRS	10	liliac\$5 same onions
6	BRS	96	liliac\$5 same onion\$5
7	BRS	112	(growth adj factor\$5 or growth adj promot\$5) same (onion\$2 or garlic\$2 or asparagus\$2 or tulip\$3 or hyacinth\$3 or day adj lily or aloe\$3)
8	BRS	16	((growth adj factor\$5 or growth adj promot\$5) same (onion\$2 or garlic\$2 or asparagus\$2 or tulip\$3 or hyacinth\$3 or day adj lily or aloe\$3)) same (isolat\$3 or extracted or purif\$5)
9	BRS	389	Gibberellin
10	BRS	43	Gibberellin same (peptdie or protein)
11	BRS	10	Gibberellin.ti.
12	BRS	3	Gibberellin same (aloe or asparagus)
13	BRS	2	"4961774"
14	BRS	23	(growth adj factor\$5 or growth adj promot\$5) same (onion\$2 or garlic\$2 or asparagus\$2 or tulip\$3 or hyacinth\$3 or day adj lily or aloe\$3) same (protein or proteins or peptide or peptides)

	DBs	Time Stamp	Comments	Error Definition
1	USPAT	2003/06/27 12:47		
2	USPAT	2003/06/27 13:00		
3	USPAT	2003/06/27 13:02		
4	USPAT	2003/06/27 13:04		
5	USPAT	2003/06/27 13:04		
6	USPAT	2003/06/27 13:09		
7	USPAT	2003/06/27 13:38		
8	USPAT	2003/06/27 13:19		
9	USPAT	2003/06/27 13:20		
10	USPAT	2003/06/27 13:20		
11	USPAT	2003/06/27 13:38		
12	USPAT	2003/06/27 13:23		
13	USPAT	2003/06/27 13:24		
14	USPAT	2003/06/27 13:39		

	Errors
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0

=> d his

(FILE 'HOME' ENTERED AT 13:11:33 ON 27 JUN 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 13:12:27 ON 27 JUN 2003

SEA (GROWTH FACTOR? OR GROWTH PROMOT?) (P) (ONION? OR GARLIC? OR

-----  
0\* FILE ADISNEWS  
12 FILE AGRICOLA  
1 FILE ANABSTR  
1 FILE AQUASCI  
1 FILE BIOBUSINESS  
1\* FILE BIOCOMMERCE  
56 FILE BIOSIS  
96\* FILE BIOTECHABS  
96\* FILE BIOTECHDS  
21\* FILE BIOTECHNO  
41 FILE CABA  
6 FILE CANCERLIT  
91 FILE CAPLUS  
0\* FILE CEABA-VTB  
0\* FILE CIN  
1 FILE CONFSCI  
22 FILE CROPU  
9 FILE DDFB  
8 FILE DDFU  
5 FILE DGENE  
9 FILE DRUGB  
13 FILE DRUGU  
2 FILE EMBAL  
22 FILE EMBASE  
31\* FILE ESBIODBASE  
7\* FILE FEDRIP  
0\* FILE FOMAD  
0\* FILE FOREGE  
5\* FILE FROSTI  
6\* FILE FSTA  
22 FILE IFIPAT  
21 FILE JICST-EPLUS  
8\* FILE KOSMET  
9 FILE LIFESCI  
0\* FILE MEDICONF  
26 FILE MEDLINE  
0\* FILE NTIS  
1\* FILE NUTRACEUT  
19\* FILE PASCAL  
1\* FILE PHARMAML  
13 FILE PROMT  
41 FILE SCISEARCH  
18 FILE TOXCENTER  
139 FILE USPATFULL  
3 FILE USPAT2  
1 FILE VETU  
64 FILE WPIDS  
64 FILE WPINDEX

L1

QUE (GROWTH FACTOR? OR GROWTH PROMOT?) (P) (ONION? OR GARLIC? OR

-----  
SEA L1(P) (ISOLATE? OR EXTRACT?)

```

-----
0*  FILE ADISNEWS
5   FILE AGRICOLA
1   FILE ANABSTR
1   FILE AQUASCI
0*  FILE BIOCOMMERCE
18  FILE BIOSIS
20* FILE BIOTECHABS
20* FILE BIOTECHDS
9*  FILE BIOTECHNO
15  FILE CABA
1   FILE CANCERLIT
17  FILE CAPLUS
0*  FILE CEABA-VTB
0*  FILE CIN
10  FILE CROPU
1   FILE DDFB
5   FILE DDFU
5   FILE DGENE
1   FILE DRUGB
7   FILE DRUGU
1   FILE EMBAL
7   FILE EMBASE
11* FILE ESBIODASE
6*  FILE FEDRIP
0*  FILE FOMAD
0*  FILE FOREGE
2*  FILE FROSTI
3*  FILE FSTA
7   FILE IFIPAT
7   FILE JICST-EPLUS
4*  FILE KOSMET
4   FILE LIFESCI
0*  FILE MEDICONF
9   FILE MEDLINE
0*  FILE NTIS
0*  FILE NUTRACEUT
8*  FILE PASCAL
1*  FILE PHARMAML
2   FILE PROMT
15  FILE SCISEARCH
6   FILE TOXCENTER
47  FILE USPATFULL
1   FILE USPAT2
1   FILE VETU
28  FILE WPIDS
28  FILE WPINDEX

```

L2

QUE L1(P) (ISOLATE? OR EXTRACT?)

-----  
SEA L2(P) (PEPTIDE? OR PROTEIN?)  
-----

```

0*  FILE ADISNEWS
2   FILE AGRICOLA
1   FILE ANABSTR
1   FILE AQUASCI
0*  FILE BIOCOMMERCE
4   FILE BIOSIS
3*  FILE BIOTECHABS
3*  FILE BIOTECHDS
3*  FILE BIOTECHNO
4   FILE CABA
3   FILE CAPLUS

```

0\* FILE CEABA-VTB  
 0\* FILE CIN  
 1 FILE CROPU  
 5 FILE DGENE  
 1 FILE EMBAL  
 2 FILE EMBASE  
 4\* FILE ESBIODBASE  
 4\* FILE FEDRIP  
 0\* FILE FOMAD  
 0\* FILE FOREGE  
 1\* FILE FROSTI  
 1\* FILE FSTA  
 5 FILE IFIPAT  
 1 FILE JICST-EPLUS  
 1\* FILE KOSMET  
 1 FILE LIFESCI  
 0\* FILE MEDICONF  
 4 FILE MEDLINE  
 0\* FILE NTIS  
 0\* FILE NUTRACEUT  
 3\* FILE PASCAL  
 1\* FILE PHARMAML  
 1 FILE PROMT  
 4 FILE SCISEARCH  
 1 FILE TOXCENTER  
 27 FILE USPATFULL  
 1 FILE USPAT2  
 4 FILE WPIDS  
 4 FILE WPINDEX  
 L3 QUE L2(P) (PEPTIDE? OR PROTEIN?)  
 -----

FILE 'CAPLUS, EMBASE, SCISEARCH, MEDLINE, WPIDS' ENTERED AT 13:22:36 ON 27 JUN 2003

L4 17 S L3  
 L5 9 DUP REM L4 (8 DUPLICATES REMOVED)  
 L6 76 S L2  
 L7 52 DUP REM L6 (24 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 13:27:57 ON 27 JUN 2003

FILE 'CAPLUS, EMBASE, SCISEARCH, WPIDS' ENTERED AT 13:29:56 ON 27 JUN 2003

FILE 'STNGUIDE' ENTERED AT 13:29:57 ON 27 JUN 2003

FILE 'STNGUIDE' ENTERED AT 13:30:00 ON 27 JUN 2003

FILE 'REGISTRY' ENTERED AT 13:31:09 ON 27 JUN 2003

FILE 'CAPLUS' ENTERED AT 13:31:13 ON 27 JUN 2003

L8 108 S RHIZOBACTERIUM  
 L9 0 S L8(P)PEPTIDE?  
 L10 0 S PS JN

FILE 'REGISTRY' ENTERED AT 13:32:52 ON 27 JUN 2003

L11 784 S GIBBERELLIN  
 L12 0 S GIBBERELLIN/CN

FILE 'CAPLUS' ENTERED AT 13:33:14 ON 27 JUN 2003

L13 11341 S GIBBERELLIN  
 L14 264 S L13(P)SEQUENCE  
 L15 15 S GIBBERELLIN(P)PEPTIDE

L16 4203 S GIBBERELLIN(P)GROWTH  
L17 10 S GIBBERELLIN(P)GROWTH FACTOR

FILE 'REGISTRY' ENTERED AT 13:35:01 ON 27 JUN 2003  
L18 1 S 77-06-5

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,  
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,  
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,  
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 13:35:23 ON  
27 JUN 2003

FILE 'CAPLUS' ENTERED AT 13:36:10 ON 27 JUN 2003  
L19 21 S (GROWTH FACTOR? OR GROWTH PROMOT?) (P) (ONION? OR GARLIC? OR AS

FILE 'WPIDS, EMBASE, SCISEARCH' ENTERED AT 13:38:26 ON 27 JUN 2003  
L20 33 S (GROWTH FACTOR? OR GROWTH PROMOT?) (P) (ONION? OR GARLIC? OR AS  
L21 25 DUP REM L20 (8 DUPLICATES REMOVED)

13 ANSWER 11 OF 19 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 1992:47605 BIOSIS

DN BA93:27580

TI BIFIDOBACTERIUM GROWTH PROMOTING SUBSTANCE IN RICE BRAN KOJI EXTRACT.

AU HOSoyAMA H; OOSAWA M; HAMANO M

CS RES. DEV. DIV., KIKKOMAN CO. LTD., NODA, NODA-SHI, CHIBA 278.

SO J JPN SOC FOOD SCI TECHNOL, (1991) 38 (10), 940-944.

CODEN: NSKGAX. ISSN: 0029-0394.

FS BA; OLD

LA Japanese

SO J JPN SOC FOOD SCI TECHNOL, (1991) 38 (10), 940-944.

CODEN: NSKGAX. ISSN: 0029-0394.

AB Bifidobacterium **growth** promoting activity of defatted **rice** brain hydrolyzed by *Aspergillus oryzae* (**rice** bran koji extract) was tested. It was effective as much as yeast extracts known as a Bifidobacterium **growth** promoting factor. It was found that defatted **rice** brain was more effective than wheat bran and hatomugi bran as koji material to produce the factor. We **isolated** the active substances from **rice** bran koji extract. The active fractions, having stimulants on the **growth** of Bifidobacterium were separated by ion-exchange chromatography, and those fractions were found to promote the **growth** of *B. longum*, *B. bifidum*, *B. infantis*, *B. adolescentis* and *B. breve*. Low molecular weight **peptides** in these fractions were suggested to play significant roles as Bifidobacterium **growth** promoting factor.